

SEQUENCE LISTING

<110>	SUCAMPO AG					
<120>	METHOD FOR DIAGNEUROPATHY	GNOSING OR F	PREDICTING S	SUSCEPTIBILI	TY TO OPTIC	
<130>	665045					
<140> <141>	PCT/JP2005/0056 2005-03-18	501				
<150> <151>	US 60/553986 2004-03-18					
<150> <151>	US 60/604704 2004-08-27					
<150> <151>	US 60/607359 2004-09-07					
<160>	209					
<170>	Patentin version	on 3.2				
<210> <211> <212> <213>	1 360 DNA Homo Sapience					
<400> tctaaga	1 itta aaaatgooct	agcccacttc	ttaccacaag	gcacacctac	accccttatc	60
cccatac	tag ttattatoga	aaccatcagc	ctactcattc	aaccaatagc	cctggccgta	120
cgcctaa	occg ctaacattac	tgcaggccac	ctactcatgc	acctaattgg	aagcgccacc	180
ctagcaa	itat caaccattaa	ccttccctct	acacttatca	tcttcacaat	tctaattcta	240
ctgacta	tcc tagaaatcgc	tgtcgcctta	atccaagcct	acgttttcac	acttctagta	300
agoctot	acc tgcacgacaa	cacataatga	cccaccaatc	acatgcctat	catatagtaa	360
<210> <211> <212> <213>	2 300 DNA Homo Sapience					
<400> actggaa	2 aagc acgggtgctg	tggtgtactc	ggggagcctc	tatttccagg	gcgctgagtc	60
cagaact	gtc ataagatatg	agctgaatac	cgagacagtg	aaggctgaga	aggaaatccc	120
tggagct	ggc taccacggac	agttcccgta	ttcttggggt	ggctacacgg	acattgactt	180
ggctgtg	gat gaagcaggcc	tctgggtcat	ttacagcacc	gatgaggcca	aaggtgccat	240
tgtcctc	tcc aaactgaacc	cagagaatct	ggaactcgaa	caaacctggg	agacaaacat	300
<210> <211> <212> <213>	3 540 DNA Homo Sapience					
<400> ttagtto	3 cta caatggagtc	atgtctggga	agaatctagg	gtccaatatg	agccacatgt	60
caagggo	cag gtgtgcatca	aagacaaagg	gtgaagttat	gagtcagagg	ttggagtcat	120
gtctggg	tca aaggccaggg	gtcaggcttg	gccatggttc	catcttgatg	cacaggagct	180
gaaggac	agg atgacggaac	tgttgcccct	gagctcggtc	ctggagcagt	acaaggcaga	240
cacgcgg	acc attgtacgct	tgcgggagga	ggtgaggaat	ctctccggca	gtctggcggc	300

cattcaggag gagatgggtg cctacgggta tgaggacctg cagcaacggg tgatggccct	360
ggaggcccgg ctccacgcct gcgcccagaa gctgggtatg ccttggccct tgaccctgac	420
ccctgatete tgactgccae acccaactee agtateacet gtttgtgcct agaagetgga	480
cacagitting accidenact titaaaccic aaccetigae eticetacet aaggetacae	540
<210> 4 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 4 ttgccgtccc aagcaatgga tga	23
<210> 5 <211> 23 <212> DNA <213> Artificial Sequence	
<pre><220> <223> Description of Artificial Sequence: Primer/Probe</pre>	
<pre><400> 5 tctgggaagg gacagaagat gac</pre>	23
<210> 6 <211> 22 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 6 gatogataag ttccgtttca cc	22
<210> 7 <211> 25 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 7 toaatcttag tottgaagtg aggat	25
<210> 8 <211> 600 <212> DNA <213> Homo Sapience	
<400> 8 tgctgggctt tgccatctac tggttcatct cccgggacaa agaggaaact ttgccacttg	60
aagatgggtg gtgggggcca ggcacgaggt ccgcagccag ggaggacgac agcatccgcc	120
ctttcaaggt ggaaacgtca gatgaggaga tccacgactt acaccagagg atcgataagt	180
toogtttcac cocacctttg gaggacagct gettecacta tggetteaac tecaactace	240
tgaagaaagt catctcctac tggcggaatg aatttgactg gaagaagcag gtggagattc	300
tcaacagata ccctcacttc aagactaaaa ttgaagggct ggacatccac ttcatccacg	360

665045. ST25 tgaagccccc ccagctgccc gcaggccata ccccgaagcc cttgctgatg gtgaacggct	420
ggcccggctc tttctacgag ttttataaga tcatcccact cctgactgac cccaagaacc	480
atggcctgag cgatgagcac gtttttgaag tcatctgccc ttccatccct ggctatggct	540
totcagaggo atoctccaag aaggggttca actoggtggo caccgccagg atotttaca	600
<210> 9 <211> 780 <212> DNA <213> Homo Sapience	
<400> 9 gcaggoccac caccccgacc ccaaccccag ccccctagca gagacctgtg ggaagcgaaa	60
attocatggg actgactitc tgctcttgtc tttcagactt cctgaaaaca acgttctggt	120
aaggacaagg gttgggctgg ggacctggag ggctggggac ctggagggct ggggggctgg	180
ggggctgagg acctggtcct ctgactgctc ttttcaccca tctacagtcc cccttgccgt	240
cccaagcaat ggatgatttg atgctgtccc cggacgatat tgaacaatgg ttcactgaag	300
acccaggtcc agatgaagct cccagaatgc cagaggctgc tccccgcgtg gcccctgcac	360
cagcagetee tacaceggeg geoectgeae cagececete etggeceetg teatettetg	420
tocottocca gaaaacctac cagggcagct acggtttccg totgggcttc ttgcattctg	480
ggacagocaa gtotgtgact tgcacggtca gttgccctga ggggctggct tccatgagac	540
ttcaatgcct ggccgtatcc ccctgcattt cttttgtttg gaactttggg attcctcttc	600
accettigge ticcigicag igititita tagittacce actiaatgig igateteiga	660
ctcctgtccc aaagttgaat attcccccct tgaatttggg cttttatcca tcccatcaca	720
ccctcagcat ctctcctggg gatgcagaac ttttctttt cttcatccac gtgtattcct	780
<210> 10 <211> 19 <212> DNA <213> Artificial Sequence	
<pre><220> <223> Description of Artificial Sequence: Primer/Probe</pre>	
<400> 10 gccataaaac tottcacca	19
<210> 11 <211> 21 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 11 accataaaac tottoaccaa a	21
<210> 12 <211> 31 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 12 ccctacgggc tactacaacc cttcgctgac t	31

<210> <211> <212> <213>	13 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> atgata	13 agtg tagagggaag g	21
<210> <211> <212> <213>	14 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gtgata	14 agtg tagagggaag	20
<210> <211> <212> <213>	15 47 DNA Artificial Seguence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ggcgac	15 agog atticiagga iagicagiag aattagaati gigaagi	47
<210> <211> <212> <213>	16 14 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gccaca	16 ggct tcca	14
<210> <211> <212> <213>	17 15 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> accaca	17 ggct tccac	15
<210> <211> <212> <213>	18 38 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> catttc	18 ccgac ggcatctacg gctcaacatt ttttgtat	38
<210> <211>	19 21	

<212> <213>	DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gcatca	19 taat cctototoaa g	21
<210> <211> <212> <213>	20 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> acatca	20 taat cotototoaa g	21
<210> <211> <212> <213>	21 37 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gcctag	21 caaa ctcaaactac gaacgcactc acagtct	37
<210> <211> <212> <213>	22 23 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> atggtt	22 gtct ttggatatac tac	23
<210> <211> <212> <213>	23 22 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gtggt1	23 Egtot tiggatatac ta	22
<210> <211> <212> <213>	24 56 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ttttg	24 gggga ggttatatgg gtttaatagt ttttttaatt tatttagggg gaatgt	56
<210> <211> <212> <213>	25 19 DNA Artificial Sequence	
<220>		

665045. ST25 <223> Description of Artificial Sequence: Primer/Probe <400> 25 atttaggggg aatgatggt 19 <210> 26 <211> 18 <212> DNA <213> Artificial Sequence <220>
<223> Description of Artificial Sequence: Primer/Probe <400> 26 gtttaggggg aatgatgg 18 <210> 27 <211> 57 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Primer/Probe <400> 27 tgttattatt ctgaattttg ggggaggtta tatgggttta atagttttt taatttt <210> 28 <211> 21 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Primer/Probe <400> 28 cagtcagagg ttcaattcct c 21 <210> 29 <211> <212> DNA
<213> Artificial Sequence <223> Description of Artificial Sequence: Primer/Probe <400> 29 tggggagggg ggttcatagt a 21 <210> 30 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Primer/Probe <400> 30 ggcgcagtca ttctcataat 20 (212> DNA <213> Artificial Sequence <223> Description of Artificial Sequence: Primer/Probe <400> 31 aagtaggaga gtgatatttg 20

<210> <211> <212> <213>	32 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gctttg	32 tttc tgttgagtgt	20
<210> <211> <212> <213>	33 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> aaaatg	33 occt agoccaette	20
<210> <211> <212> <213>	34 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gtcatt	34 atgt gttgtcgtgc	20
<210> <211> <212> <213>	35 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cacato	35 cgta ttactcgcat	20
<210> <211> <212> <213>	36 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cggatg	36 gaago agatagtgag	20
<210> <211> <212> <213>	37 360 DNA Homo Sapience	
<400> tctaag	37 gatta aaaatgooct agoocactto ttaccacaag goacacotac accoottato	60
cccata	actag ttattatcga aaccatcago ctactcatto aaccaatago cotggoogta	120
cgccta	aaccg ctaacattac tgcaggccac ctactcatgc acctaattgg aagcgccacc	180
ctago	aatat caaccattaa cottocotot acacttatoa tottoacaat totaattota	240

665045. ST25 otgactatoc tagaaatogo tgtcgcctta atccaagoot acgttttcac acttctagta	300
agoctotaco tgoacgacaa cacataatga cocaccaato acatgoctat catatagtaa	360
about the conference of the co	
<210> 38 <211> 420 <212> DNA <213> Homo Sapience	
<400> 38 taggagggca ctggccccca acaggcatca ccccgctaaa tcccctagaa gtcccactcc	60
taaacacatc cgtattactc gcatcaggag tatcaatcac ctgagctcac catagtctaa	120
tagaaaacaa ccgaaaccaa ataattcaag cactgottat tacaatttta ctgggtotot	180
attitaccct cctacaagcc tcagagtact tcgagtctcc cttcaccatt tccgacggca	240
tctacggctc aacattttt gtagccacag gcttccacgg acttcacgtc attattggct	300
caactttcct cactatotgc ttcatccgcc aactaatatt tcactttaca tccaaacatc	360
actitggett cgaagccgcc gcctgatact ggcattitgt agatgtggtt tgactattic	420
<210> 39 <211> 420 <212> DNA <213> Homo Sapience <400> 39	
agocotogta gtaacagoca ttotoatoca aacocootga agottoacog gogoagtoat	60
totoataato goccaogggo ttacatooto attactatto tgoctagoaa actoaaacta	120
cgaacgcact cacagtogca tcataatcct ctctcaagga cttcaaactc tactcccact	180
aatagotttt tgatgacttc tagcaagoot ogotaacotc goottacccc ccactattaa	240
cctactggga gaactctctg tgctagtaac cacgttctcc tgatcaaata tcactctcct	300
acttacagga ctcaacatac tagtcacagc cctatactcc ctctacatat ttaccacaac	360
acaatggggc tcactcaccc accacattaa caacataaaa ccctcattca cacgagaaaa	420
<210> 40 <211> 21 <212> DNA <213> Artificial Sequence	
<pre><220> <223> Description of Artificial Sequence: Primer/Probe</pre>	
<400> 40 tgaggttcga gtcggccccc t	21
<210> 41 <211> 21 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 41 tcgccaaaca tggccacaca t	21
<210> 42 <211> 24 <212> DNA <213> Artificial Sequence	

665045. ST25 <220> <223> Description of Artificial Sequence: Primer/Probe <400> 42 gccctgcagg tgtctgcagc atgt <210> 43 <211> 24 <212> DNA (213) Artificial Sequence \(\frac{223}{}\) Description of Artificial Sequence: Primer/Probe

24

24

24

24

<400> 43 ggatggctct ccccgccttg tctc

<210> 44 <211> 24 <212> DNA <213> Artificial Sequence

<220> <223> Description of Artificial Sequence: Primer/Probe

<400> 44 tggcagcaca gcgcccgcca ctac

<210> 45 <211> 24 <212> DNA <213> Artificial Sequence

<220> <223> Description of Artificial Sequence: Primer/Probe

<400> 45 togocagoco toccatgoco ataa

24

<210> 46 <211> 24
<212> DNA
<213> Artificial Sequence <220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 46 gaggttgagt gacatgttcg aaac 24

DNA Artificial Sequence <220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 47 cgtcatctgt ctaatgcaaa atgt

<210> 48 <211> 23 <212> DNA <213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer/Probe

<400> 48

cgtgat	gtot ttatotggtt ttg	665045. ST25	23
<210> <211> <212> <213>	49 24 DNA Artificial Sequence		
<220> <223>	Description of Artificial Sequence:	Primer/Probe	
<400> cgaact	49 ttgg taatacagtt gtgg		24
<210> <211> <212> <213>	50 24 DNA Artificial Sequence		
<220> <223>	Description of Artificial Sequence:	Primer/Probe	
<400> aaacta	50 cagt caccctactc acct		24
<210> <211> <212> <213>	51 20 DNA Artificial Sequence		
<220> <223>	Description of Artificial Sequence:	Primer/Probe	
<400> ttcttc	51 acaa actottocaa		20
<210> <211> <212> <213>	52 21 DNA Artificial Sequence		
<220> <223>	Description of Artificial Sequence:	Primer/Probe	
<400> ggatto	52 agat ttototttga a		21
<210> <211> <212> <213>	53. 21 DNA Artificial Sequence		
<220> <223>	Description of Artificial Sequence:	Primer/Probe	
<400> gcatag	53 gagt atgatttaat c		21
<210> <211> <212> <213>	54 27 DNA Artificial Sequence	•	
<220> <223>	Description of Artificial Sequence:	Primer/Probe	
<400> caggag	54 ggat gagcaggcag agcacag		27
<210>	55		

<211>	29	
<212> <213>	DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ctcacco	55 cagg aacctgctct ggaaacata	29
<210> <211> <212> <213>	56 25 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ggaaat	56 gtga gcagatagtg cagtc	25
<210> <211> <212> <213>	57 25 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> aatccg	57 gago tggagaacto ttgto	25
<210> <211> <212> <213>	58 360 DNA Homo Sapience	
<400> attact	58 gtaa actacagtca ccctactcac ctatctaaca ttaattgatt tttggtaaac	60
taatct	aato tigotitoig goalcaacoi caciigacoa iggigiatag iccolitoat	120
atgtta	attgg attcaatttg cctacatttt gttgagaatt tttatctata ctcttaagaa	180
atattg	satct gtagtctcgt gatgtcttta tctggttttg ttatcagggt gatactggcc	240
tcatag	catg agtigggaga toatcottac tottotatti tiiggaagag tiigigaaga	300
attgat	atta titotiotti aaatatitai igggittita aaatacatti tiaaaatgoa	360
<210> <211> <212> <213>	59 323 DNA Homo Sapience	
<400> ggatte	59 cagat ttototttga aacatgottg tgtttottag tggggtttta tatocatttt	60
tatca	ggatt tootottgaa ccagaaccag totttcaact cattgcatca tttacaagac	120
aacat	tgtaa gagagatgag cactictaag ttgagtatat tataatagat tagtactgga	180
ttatte	caggo tttaggoata tgottottta aaaaogotat aaattatatt ootottgoat	240
ttcac	ttgag tggaggttta tagttaatct ataactacat attgaatagg gctaggaata	300
tagat	taaat catactocta tgc	323
<210> <211> <212>	420	

665045, ST25

665045, ST25	
<213> Homo Sapience	
<400> 60 gtgtttotta gtggggtttt atatccattt ttatcaggat ttoctcttga accagaacca	60
gtotttoaac toattgoato atttacaaga caacattgta agagagatga goacttotaa	120
gttgagtata ttataataga ttagtactgg attattcagg ctttaggcat atgcttcttt	180
aaaaacgcta taaattatat tootottgca tttoacttga gtggaggttt atagttaato	240
tataactaca tattgaatag ggctaggaat atagattaaa tcatactcct atgctttagc	300
ttatttttac agttatagaa agcaagatgt actataacat agaattgcaa tctataatat	360
ttgtgtgttc actaaactct gaataagcac tttttaaaaa actttctact cattttaatg	420
<210> 61 <211> 17 <212> DNA <213> Artificial Sequence	
<pre><220> <223> Description of Artificial Sequence: Primer/Probe</pre>	
<400> 61 cttgcctttc agcttgg	17
<210> 62 <211> 17 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 62 attgcctttc agcttgg	17
<210> 63 <211> 31 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 63 gttgtgggtc acataacgct ctctggaggg t	31
<210> 64 <211> 360 <212> DNA <213> Homo Sapience	
<400> 64 tigaggitti atcaaagagi igcggcgggi ggigaaagii cacaaccaga iicaggitti	60
gtttgtgcca gattctaatt ttacatgttt cttttgccaa agggtgattt ttttaaaata	120
acatttgttt totottatot tgotttatta ggtoggagac catgagaaac agogtcaaat	180
catcttttca tgatcccaag ctgaaaggca agccctccag agagcgttat gtgacccaca	240
accgagcaca ttggtgacag accttcgggg cctgtctgaa gccatagcct ccacggagag	300
ccctgtggcc gactotgcac totocaccot ggotgggatc agagcaggag catcototgc	360
<210> 65 <211> 24 <212> DNA	

665045 ST25

	665045. \$125	
<213>	Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> agcaca	65 gcag agctttccag agga	24
<210> <211> <212> <213>	66 19 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ctccag	66 gtot aagogttgg	19
<210> <211> <212> <213>	67 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> caggoo	67 atgt cagtcatcca	20
<210> <211> <212> <213>	68 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> tctcat	68 tttc ttgccttagt c	21
<210> <211> <212> <213>	69 18 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gaaacc	69 caaa ccagagag	18
<210> <211> <212> <213>	70 24 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> atatca	70 acctg ctgaactcag agtc	24
<210> <211> <212> <213>	71 24 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	

,

<400> cctcaa	71 cata gtcaatcott gggc	24
<210> <211> <212> <213>	72 24 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> acatga	72 ataa agaccatgtg ggca	24
<210> <211> <212> <213>	73 24 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gattat	73 ggat taagtggtgc ttcg	24
<210> <211> <212> <213>	74 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> tgtctc	74 ggta ttcagctcat	20
<210> <211> <212> <213>	75 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> catact	75 gcct aggccactgg a	21
<210> <211> <212> <213>	76 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> attggd	76 gact gactgcttac	20
<210> <211> <212> <213>	77 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gaatci	77 tggaa ctcgaacaaa	20

665045, ST25

<210> 78 <211> 21 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 78 ctgagcatct ccttctgcca t	21
<210> 79 <211> 300 <212> DNA <213> Homo Sapience	
<400> 79 actggaaagc acgggtgctg tggtgtactc ggggagcctc tatttccagg gcgctgagtc	60
cagaactgtc ataagatatg agctgaatac cgagacagtg aaggctgaga aggaaatccc	120
tggagctggc taccacggac agttcccgta ttcttggggt ggctacacgg acattgactt	180
ggctgtggat gaagcaggcc tctgggtcat ttacagcacc gatgaggcca aaggtgccat	240
tgtcctctcc aaactgaacc cagagaatct ggaactcgaa caaacctggg agacaaacat	300
<210> 80 <211> 21 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 80 ccagtgggtt tgtgggactc c	21
<210> 81 <211> 21 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 81 aaagggatgg catttottgc a	21
<210> 82 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 82 gtccactitc ctggtgtgtg act	23
<210> 83 <211> 18 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 83 caacatcaca atggatog	18
<i>≾—</i> ∶(15)	

<210> <211> <212> <213>	84 25 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> agcctt	84 agtt tgatctgttc attca	25
<210> <211> <212> <213>	85 23 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gtttca	85 tott tocaggggag got	23
<210> <211> <212> <213>	86 42 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cgcccg	86 cogo ogocogoogo aatocottgo attictgitt it	42
<210> <211> <212> <213>	87 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gtgaca	87 aagca cccagtgacg a	21
<210> <211> <212> <213>	88 45 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cgccc	88 googo ogooogoogo ggttactoto ttottagtot ttgga	45
<210> <211> <212> <213>	25 DNA	
<220> <223>		
<400> gggtg	89 aactg tatggtatct taatt	25
<210> <211>		

	665045. ST25	
<212> <213>	DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cgcccg	90 ccgc cgccgccgc gctatttctc ttaaagccaa agaga	45
<210> <211> <212> <213>	91 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400>	91 sotge actactotog t	21
005.86	STEEL GOTTOCOM T	
<210> <211> <212> <213>	92 44 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cgccci	92 googo ogooogoogo gtoagatgat aattgtacag atat	44
<210> <211> <212> <213>	93 25 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> aatgt	93 atatt tcaaaggagg ataaa	25
<210> <211> <212> <213>	21 DNA	
<220> <223>		
<400> ccact	94 gcgac gtaaaggagc a	21
<210> <211> <212> <213>	25 DNA	
<220> <223>		
<400> caaat	e 95 cocgaa ttocaatotg tataa	25
,	•	
<210> <211> <212> <213>	> 44 > DNA	
<220	•	

665045, ST25 <223> Description of Artificial Sequence: Primer/Probe <400> 96 44 cgcccgccgc cgcccgccgc ggttgggagg caagactata agtt Artificial Sequence <223> Description of Artificial Sequence: Primer/Probe ttctgttcat tactaggcta tggaa 25 <210> 98 <211> <212> DNA <213> Artificial Sequence (223) Description of Artificial Sequence: Primer/Probe <400> 98 caggcagaat tatttcaaaa ccat 24 <210> 99 <211> 21 <2112 DNA
<213> Artificial Sequence <220> <223> Description of Artificial Sequence: Primer/Probe <400> 99 21 cgagaataca gtcagggctg g <210> 100 <211> 25 <212> DNA
<213> Artificial Sequence <220>
<223> Description of Artificial Sequence: Primer/Probe <400> 100 25 gcactacctc ctcatcgcat aaaca <210> 101 <211> 21 <212> DNA <213> Artificial Sequence <220>
<223> Description of Artificial Sequence: Primer/Probe <400> 101 21 ggccatgctg atgtgagctc t <210> 102 <211> 43 <220>
<223> Description of Artificial Sequence: Primer/Probe <400> 102

cgcccgccgc cgcccgccgc ggactgtctg ctcagtgttg tca

. . .

43

<210> <211> <212> <213>	103 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ggtgcc1	103 ttga tttggaatcc a	21
<210> <211> <212> <213>	104 44 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cgcccgc	104 ccgc cgcccgccgc cacaactgcc tgcaaaatgg aact	44
<210> <211> <212> <213>	105 25 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gaggca	105 aaat atttgagtga aaaca	25
<210> <211> <212> <213>	106 23 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> aggcaa	106 tagg ttttgagggc cat	23
<210> <211> <212> <213>	107 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gtagtg	107 ggcc ctgcaccttc t	21
<210> <211> <212> <213>	108 27 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> aagtcg	108 gagta tggggaccoc cogttaa	27
<210> <211>	109 25	

	665045. ST25	
	DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
	109 gtg tggccatatc ttctt	25
<211> 2 <212> [I10 23 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
	110 aga tgaaggaaaa gtc	23
<211> 2 <212> [111 20 DNA Artificial Sequence	
<220> <223> I	Description of Artificial Sequence: Primer/Probe	
	111 atg gccctgtcct	20
<211> (212)	112 240 DNA Homo Sapience	
	112 gac ttttccacag gaacttctgc aatgtcccat caacctctca gctgcctcac	60
tgaaaag	gag gacagococa gtgaaagcac aggaaatgga coccoccaco tggcocacoc	120
-	gac acgtttaccc cggaggagct gctgcagcag atgaaagagc tcctgaccga	180
_	cag ctgaaaggtg agcagggctg gcccctgtgt gccccattca tcctgggcct	240
<211> <212>	113 2077 DNA Homo Sapience	
<400> atcccgg	113 tog ggagttotot coaggoggoa ogatgoogag gaaacagtga ocotgagoga	60
agccaag	ccg ggcggcaggt gtggctttga tagctggtgg tgccacttcc tggccttgga	120
tgagccg	tac geetetgtaa acceaactte eteacetttg aaacagetge etggtteage	180
attaatg	aag attagtcagt gacaggcctg gtgtgctgag toogcacata gaagaatcaa	240
aaatgto	caa aatgtaactg gagagaaagt gggcaacttt tggagtgact titccacagg	300
aacttct	gca atgtcccatc aacctctcag ctgcctcact gaaaaggagg acagccccag	360
tgaaagc	aca ggaaatggac ccccccacct ggcccaccca aacctggaca cgtttacccc	420
ggaggag	ctg ctgcagcaga tgaaagagct cctgaccgag aaccaccagc tgaaagaagc	480
catgaag	cta aataatcaag ccatgaaagg gagatttgag gagctttogg cctggacaga	540
gaaacag	gaag gaagaacgcc agtititiga gatacagagc aaagaagcaa aagagcgtct	600
aatggco	ettg agtcatgaga atgagaaatt gaaggaagag cttggaaaac taaaagggaa	660
	ページ (20)	

atcaga	aaagg toatotgagg	accccactga	tgactccagg	cttcccaggg	ccgaagcgga	720
gcagga	aaag gaccagctca	ggacccaggt	ggtgaggcta	caagcagaga	aggcagacct	780
gttggg	cato gtgtotgaac	tgcagctcaa	gotgaactcc	agcggctcct	cagaagattc	840
ctttgt	tgaa attaggatgg	ctgaaggaga	agcagaaggg	tcagtaaaag	aaatcaagca	900
tagtco	tggg cccacgagaa	cagtctccac	tggcacggca	ttgtctaaat	ataggagcag	960
atctgo	agat ggggccaaga	attacttcga	acatgaggag	ttaactgtga	gccagctcct	1020
gctgtg	ccta agggaaggga	atcagaaggt	ggagagactt	gaagttgcac	tcaaggaggc	1080
caaaga	aaga gtttcagatt	ttgaaaagaa	aacaagtaat	cgttctgaga	ttgaaaccca	1140
gacaga	gggg agcacagaga	aagagaatga	tgaagagaaa	ggcccggaga	ctgttggaag	1200
cgaagt	ggaa gcactgaacc	tccaggtgac	atctctgttt	aaggagcttc	aagaggctca	1260
tacaaa	acto agogaagotg	agctaatgaa	gaagagactt	caagaaaagt	gtcaggccct	1320
tgaaag	gaaa aattotgoaa	ttccatcaga	gttgaatgaa	aagcaagagc	ttgtttatac	1380
taacaa	aaag ttagagctac	aagtggaaag	catgctatca	gaaatcaaaa	tggaacaggc	1440
taaaac	agag gatgaaaagt	ccaaattaac	tgtgctacag	atgacacaca	acaagcttct	1500
tcaaga	acat aataatgcat	tgaaaacaat	tgaggaacta	acaagaaaag	agtcagaaaa	1560
agtgga	cagg gcagtgctga	aggaactgag	tgaaaaactg	gaactggcag	agaaggctct	1620
ggcttc	caaa cagotgoaaa	tggatgaaat	gaagcaaacc	attgccaagc	aggaagagga	1680
cctgga	aacc atgaccatcc	tcagggctca	gatggaagtt	tactgttctg	attttcatgc	1740
tgaaag	agca gcgagagaga	aaattcatga	ggaaaaggag	caactggcat	tgcagctggc	1800
agttct	gctg aaagagaatg	atgctttcga	agacggaggc	aggcagtcct	tgatggagat	1860
gcagag	togt catgggggga	gaacaagtga	ctctgaccag	caggcttacc	ttgttcaaag	1920
aggago	tgag gacagggact	ggcggcaaca	goggaatatt	ccgattcatt	cctgccccaa	1980
gtgtgg	agag gttctgcctg	acatagacac	gttacagatt	cacgtgatgg	attgcatcat	2040
ttaagt	gttg atgtatcacc	tccccaaaac	tgttggt			2077
<210> <211> <212> <213> <400>	114 240 DNA Homo Sapience					
	gtag cggctctgag	gaatgggtta	caggagacct	ctggggagat	gtgaccacag	60
caatgg	gtag gagaatgtcc	agggctatga	aagtcgagta	tggggacccc	cccttaacga	120
agacag	ggcc atgtagaggg	ccccagggag	tgaaagagcc	tccaggacct	ccaggtatgg	180
aataca	gggg acgtttaaga	agatatggcc	acacactggg	gccctgagaa	gtgagagctt	240
<210> <211> <212> <213> <220> <223>	115 18 DNA Artificial Sequ		Sequence:	Primer/Prob	e	
<400>	115	, , , , , , , , , , , , , , , ,	_04001100		~	
	gaga acaaacaa					18

<210> <211> <212> <213>	116 17 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gtggtg	116 gaga acaaaca	17
<210> <211> <212> <213>	117 27 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ggtctta	117 actg ggccactgtg agogoto	27
<210> <211> <212> <213>	118 16 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> taacggg	118 ggag aaaagg	16
<210> <211> <212> <213>	119 17 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ttaacgg	119 ggga gaaaagg	17
<210> <211> <212> <213>	120 26 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
	120 ottc agcccaagtg cccttc	26
<210> <211> <212> <213>	121 19 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gaaaato	121 catt ttggggago	19
<210> <211> <212>	122 19 DNA	

665045, ST25

<213>	Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> aaaaat	122 catt ttggggagc	19
<210> <211> <212> <213>	123 44 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> tgcctc	123 totg agtoaatgta titaccacti tooctgagaa atot	44
<210> <211> <212> <213>	124 17 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cttgcc	124 tttc agcttgg	17
<210> <211> <212> <213>	125 17 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> attgcc	125 tttc agcttgg	17
<210> <211> <212> <213>	126 31 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gttgtg	126 ggtc acataacgct ctctggaggg t	31
<210> <211> <212> <213>	127 14 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ctcctg	127 ggca ctgc	14
<210> <211> <212> <213>	128 14 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe ページ(23)	

<400> ttcctg	128 ggoa ctgc	14
<210> <211> <212> <213>	129 29 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ctgcac	129 agct toccoggett cagaaaaca	29
<210> <211> <212> <213>	130 23 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> tttaag	130 cogt atattgaaga aaa	23
<210> <211> <212> <213>	131 23 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cttaag	131 cogt atattgaaga aaa	23
<210> <211> <212> <213>	132 40 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cttggt	132 tgta atttttgoto tttgctggtt cootottcaa	40
<210> <211> <212> <213>	133 16 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gtcaca	133 gttg cottgt	16
<210> <211> <212> <213>	134 16 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ctcaca	134 gttg cottgt	16

<210> <211> <212> <213>	135 31 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ggaaga	135 nagga tcagagaaga gattcccgga t	31
<210> <211> <212> <213>	136 19 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cttggg	136 gttt tcagtatga	19
<210> <211> <212> <213>	137 19 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> tttggg	137 gttt toagtatga	19
<210> <211> <212> <213>	138 38 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> cccaca:	138 aatg ccaccagaac ttaacgattc ttcactta	38
<210> <211> <212> <213>	139 22 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> attcagt	139 ttc tatttctgct tg	22
<210> <211> <212> <213>	140 22 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gttcagt	140 ttc tattictgct tg	22
<210> <211> <212>	141 43 DNA	

665045 ST25

			665045.	ST25	
<213> Artificial Seque	ence				
<pre><220> <223> Description of A</pre>	Artificial	Sequence: F	Primer/Probe	3	
<400> 141 ctcatcccta tagttttaca a	agacagcaaa	agattggtgg	ctt		43
<210> 142 <211> 290 <212> DNA <213> Homo Sapience					
<400> 142 ttgaattcca ccctccatcc c	cagaaaaac	tggagtaaaa	caaaaagagg	agatggacaa	60
agtgtgtatt tgatggcatc c	cctgggaag	agactctaaa	tttatcccat	aggtcttact	120
gggccactgt gagcgctttg g	gtggagaaca	aacaaaaatt	ctgggtgctc	agttgtctaa	180
cctgaaaaat gggactagcg g	gaaaaagcca	atgtgttcca	tgcacctttt	gctttcttta	240
ttaaggcatg atgtcacctg t	acagtaact	gccctgtgtg	tacttcaggg		290
<210> 143 <211> 240 <212> DNA <213> Homo Sapience					
<400> 143 ccagctetec accgccgcgt g	cgcctgcag	acgctccgct	cgctgccttc	tctcctggca	60
ggcgctgcct tttctccccg t	taaagggca	cttgggctga	aggatcgctt	tgagatctga	120
ggaacccgca gcgctttgag g	gacctgaag	ctgtttttct	togttttcct	ttgggttcag	180
tttgaacggg aggtttttga t	cccttttt	tcagaatgga	ttatttgctc	atgattttct	240
<210> 144 <211> 300 <212> DNA <213> Homo Sapience					
<400> 144 atccagtgga agaaccacga t	caaaacaac	cacaacacag	accggagcag	ccataaggac	60
agcatgaact gaccaccctt a	gaagcactc	ctcggtactc	ccataatcct	ctcggagaaa	120
aaaatcacaa ggcaactgtg a	ctccgggaa	totottotot	gatccttctt	ccttaattca	180
ctcccacacc caagaagaaa t	gctttccaa	aaccgcaagg	gtagactggt	ttatccaccc	240
acaacatcta cgaatcgtac t					300
<210> 145 <211> 300 <212> DNA <213> Homo Sapience					
<400> 145 ttaatttttc ttaaaatgtt a	actggcagt	aagtotttt	tgatcattcc	cttttccata	60
taggaaacat aattttgaag t	ggccagatg	agtttatcat	gtcagtgaaa	aataattacc	120
cacaaatgcc accagaactt a	acgattctt	cacttcttgg	ggttttcagt	atgaacctaa	180
ctccccaccc caacatctcc c	tcccacatt	gtcaccattt	caaagggccc	acagtgactt	240
ttgctgggca ttttcccaga t	gtttacaga	ctgtgagtac	agcagaaaat	cttttactag	300

<210> 146

665045. ST25	
<211> 360 <212> DNA <213> Homo Sapience	
<400> 146 gaggtagagg cagtgtaagc caggctgttc tcctggctct tctttgaatt attcttctc	60
tggtgtctgc tacttcttgg tactgtagtt cttgcatcta gtataaaaac actaaatttg	120
ttgtcctatt tttttctcac tttcctttag cgtcgagaag tggcaaaaac agttttctgc	180
ttggttgtaa tttttgctct ttgctggttc cctcttcatt taagccgtat attgaagaaa	240
actgtgtata acgagatgga caagaaccga tgtgaattac ttaggtatga tcctgtgtac	300
togotagaaa attggagttt otoagatttt catatttata atacttttac aaaaccagot	360
<210> 147 <211> 360 <212> DNA <213> Homo Sapience	
<400> 147 ggaggagacg gggaggacag actggaggcg tgttcctccg gagttttctt tttcgtgcga	60
gccctcgcgc gcgcgtacag tcatcccgct ggtctgacga ttgtggagag gcggtggaga	120
ggottcatcc atcocacccg gtcgtcgccg gggattgggg tcccagcgag acctccccgg	180
gagaagcagt gcccaggagg ttttctgaag ccggggaagc tgtgcagccg aagccgccgc	240
cgcgccggag cccgggacac cggccacct ccgcgccacc caccctcgcc ggctccggct	300
toototggco caggogcogo goggaccogg cagotgtotg ogcacgooga gotocaoggt	360
<210> 148 <211> 300 <212> DNA <213> Homo Sapience	
<400> 148 taatcattoo otgatgaatt titttaagti taacattigi tatataagai titottacag	60
aggagtatta atogtaaaaa ttototoato ootatagttt tacaagacag caaaagattg	120
gtggctgttc agtttctatt tctgcttgcc attggccatc actgcatttt tttatacact	180
aatgacctgt gaaatgttga gaaagaaaag tggcatgcag attgctttaa atgatcacct	240
aaagcaggta agaaaataca aatattigat aactcgtggt tgaatttata attatgaata	300
<210> 149 <211> 24 <212> DNA <213> Artificial Sequence	
<pre><220> <223> Description of Artificial Sequence: Primer/Probe</pre>	
<400> 149 ccgcctcttc gtcttcttca actg	24
<210> 150 <211> 24 <212> DNA <213> Artificial Sequence	
<pre><220> <223> Description of Artificial Sequence: Primer/Probe</pre>	
<400> 150 gatagcaggt gaactcgaag ccca	24

ページ(28)

<210> 151 <211> 300 <212> DNA <213> Homo Sapience			
<400> 151 ttootggcca acgtggtgaa ggccttccac cgcgagctgg tgcccgaccg cctcttcgtc	60		
ttcttcaact ggctgggcta cgccaactcg gccttcaacc ccatcatcta ctgccgcagc	120		
cccgacttcc gcaaggcctt ccagggactg ctctgctgcg cgcgcagggc tgcccgccgg	180		
cgccacgcga cccacggaga ccggccgcgc gcctcgggct gtctggcccg gcccggaccc	240		
cogocatogo coggggcogo ctoggacgac gacgacgacg atgtogtogg ggccacgcog			
<210> 152 <211> 20 <212> DNA <213> Artificial Sequence			
<pre><220> <223> Description of Artificial Sequence: Primer/Probe</pre>			
<400> 152 catggatcaa ctcaacttga	20		
<210> 153 <211> 21 <212> DNA <213> Artificial Sequence			
<220> <223> Description of Artificial Sequence: Primer/Probe			
<400> 153 tatggatcaa ctcaacttga g	21		
<210> 154 <211> 37 <212> DNA <213> Artificial Sequence			
<220> <223> Description of Artificial Sequence: Primer/Probe			
<400> 154 tottgtgcct tcagctgtga ggagggattt gaattaa	37		
<210> 155 <211> 600 <212> DNA <213> Homo Sapience			
<400> 155 tgtttttatt ttattttaag ataaaaagaa ctattgaaga gottgggaac ttggttacct	60		
tgggaaacgt attgctggag atgcaaacaa acttctaaag tgctctctcg tgtgttccag	120		
ctgtgagatg cgatgctgtc caccagcccc cgaagggttt ggtgaggtgt gctcattccc	180		
ctattggaga attcacctac aagtcctctt gtgccttcag ctgtgaggag ggatttgaat	240		
tacatggatc aactcaactt gagtgcacat ctcagggaca atggacagaa gaggttoott	300		
cctgccaagg tagaattgag tgcagacttt tttagggtac aggtcaaata cttcataaag	360		
tttctgaacc tagattgccc caaaggggtt tggtcctaat ttcctacatg ctgaaaacta	420		
agtagogott acactttaca ticattgttg acttttaago aagttttgga agttttccag	480		

tagatttttc tgaaactctg cctgtgtacc taacatttgc agtggtaaaa tgttcaagcc	540
tggcagttcc gggaaagatc aacatgagct gcagtgggga gcccgtgttt ggcactgtgt	600
<210> 156 <211> 17 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 156 tgtcttcaga gccagtt	17
<210> 157 <211> 17 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 157 agtottcaga gccagtt	17
<210> 158 <211> 39 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 158 agagotaatg aaagocagto cattaggoag tatotocac	39
<210> 159 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 159 aatcctggga gatgtatttg	20
<210> 160 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 160 gatcctggga gatgtatttg	20
<210> 161 <211> 49 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 161 agcacttta tggcacaaat gatcactatt ttcttgaccc ctacttact ページ(29)	49

<210> <211> <212> <213>	162 14 DNA Artificial Sequence		
<220> <223>	Description of Artificial Sequence: Primer/Probe		
<400> ccgttg	162 ctcc acca	14	
<210> <211> <212> <213>	163 14 DNA Artificial Sequence		
<220> <223>	Description of Artificial Sequence: Primer/Probe		
<400> acgttg	<400> 163 acgttgctcc acca		
<210> <211> <212> <213>	164 53 DNA Artificial Sequence		
<220> <223>	Description of Artificial Sequence: Primer/Probe		
<400> actato	164 ttat tttcttacct gaatctctga tcttcactaa gagtctgaat aat	53	
<210> <211> <212> <213>	165 1020 DNA Homo Sapience		
<400> agagcc	165 toot agocogtogg tgtotgogoc catogatoco titgtotato coogacoatg	60	
gcgaag	ctga ttgcgctcac cctcttgggg atgggactgg cactcttcag gaaccaccag	120	
tcttct	tacc aaacacgact taatgctctc cgagaggtac aacccgtaga acttcctaac	180	
tgtaat	ttag ttaaaggaat cgaaactggc totgaagact tggagatact goctaatgga	240	
ctggct	ttoa ttagototgg attaaagtat ootggaataa agagottoaa ooocaacagt	300	
cctgga	aaaa tacttotgat ggacctgaat gaagaagato caacagtgtt ggaattgggg	360	
atcact	ggaa gtaaatttga tgtatottoa tttaacooto atgggattag cacattoaca	420	
gatgaa	gata atgccatgta cctcctggtg gtgaaccatc cagatgccaa gtccacagtg	480	
	ttta aatttcaaga agaagaaaaa tcgcttttgc atctaaaaac catcagacat	540	
	ctgc ctaatttgaa tgatattgtt gctgtgggac ctgagcactt ttatggcaca	600	
	cact attitctiga cocctacita caatcciggg agaigtatit gggttiagcg	660	
	tatg tigtotacta tagtocaagt gaagticgag tggtggcaga aggatitgat	720	
	aatg gaatcaacat ttcaccogat ggcaagtatg tctatatagc tgagttgctg	780	
	aaga ttoatgtgta tgaaaagcat gotaattgga cittaactcc attgaagtcc	840	
	ttta ataccetegt ggataacata tetgtggate etgagacagg agacetttgg	900	
RrrRRa	tgcc atcccaatgg catgaaaatc ttcttctatg actcagagaa tcctcctgca	960	

665045. ST25 tcagaggtgc ttcgaatcca gaacattcta acagaagaac ctaaagtgac acaggtttat 1020 <210> <211> <212> 166 20 DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Primer/Probe <400> 166 gcgagaccct cactgggatt 20 <210> 167 <211> 20 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Primer/Probe <400> 167 gcctggagag gagctggatt 20 <210> 168 <211> 20 <212> DNA <213> Artificial Sequence \$\frac{223}{223}\$ Description of Artificial Sequence: Primer/Probe <400> 168 ggttgggatt tggggaagga 20 <210> 169 <211> 24 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Primer/Probe <400> 169 ccagacatga ctccattgta ggaa 24 <210> 170 <211> 22 <212> DNA <213> Artificial Sequence 223> Description of Artificial Sequence: Primer/Probe <400> 170 gagtcagagg ttggagtcat gt 22 <210> 171 <211> 21 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Primer/Probe <400> 171 ccgttgctgc aggtcctcat a 21 <210> 172

<211> <212> <213>	20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400>	172 cgcg gaccattgta	20
		20
<210> <211> <212> <213>	173 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
	173 ggca gtcagagatc a	21
<210>	174	
<211> <212> <213>	21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
	174 ttga tcacagcact t	21
<210> <211> <212> <213>	175 22 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ctaggc	175 acct atgggcagtc aa	22
<210>	176	
<211> <212> <213>	21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ctaatg	176 gotg tagotggtgo t	21
<210>	177	
<211> <212> <213>	22 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gtaggg	177 gaag gtgttgttgt aa	22
<210> <211> <212> <213>	178 20 DNA Artificial Sequence	

, , ,

<220>	665045. ST25	
<223>	Description of Artificial Sequence: Primer/Probe	
<400> ccaga	178 gcaac gtggtggtca	20
<210> <211> <212> <213>	179 19 DNA Artificia! Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ggtago	179 coggt gtoccagga	19
<210> <211> <212> <213>	180 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ggctgt	180 gtac accaccaacc a	21
<210> <211> <212> <213>	181 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ctcgta	181 actg gacgtgttgg t	21
<210> <211> <212> <213>	182 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400>	182	
catgat	ctgc ggtgtgctct a	21
<210> <211> <212> <213>	183 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> 183 gcagcccgag ccacagcatt 20		
<210> <211> <212> <213>	184 540 DNA Homo Sapience	
<400> ttagtt	184 ccta caatggagtc atgtctggga agaatctagg gtccaatatg agccacatgt	60
caaggg	ccag gtgtgcatca aagacaaagg gtgaagttat gagtcagagg ttggagtcat	120
	ページ(33)	. = •

, , , ,

gtctg	ggtca aaggccaggg gtcaggcttg gccatggttc catcttgatg cacaggagct	180
gaagg	acagg atgacggaac tgttgcccct gagctcggtc ctggagcagt acaaggcaga	240
cacgo	ggacc attgtacgct tgcgggagga ggtgaggaat ctctccggca gtctggcggc	300
cattc	aggag gagatgggtg cctacgggta tgaggacctg cagcaacggg tgatggccct	360
ggagg	cccgg ctccacgcct gcgcccagaa gctgggtatg ccttggccct tgaccctgac	420
ccctg	atoto tgactgocac accoaactoc agtatoacct gtttgtgoct agaagotgga	480
cacag	ttttg acctctaact tttaaacctc aacccttgac cttcctacct aaggctacac	540
<210> <211> <212> <213>	14 DNA	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400>	185	
ttttcg	gcotc cogt	14
<210> <211> <212>	186 14 DNA	
<213>	Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gtttcg	186 gooto cogt	14
<210> <211> <212> <213>	187 27 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gctgcc	187 aggt ogggaatatt ocagggo	27
<210> <211> <212> <213>	188 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> 188 cgccatggag accaacaccc 20		
<210> <211> <212> <213>	189 21 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gccggt1	189 tooc tgctctctgt c	21

665045 ST25

(0.4.0)	665045. ST25	
<210> <211> <212> <213>	190 360 DNA Homo Sapience	
<400> cgccat	190 tggag accaacacco ttoccacogo cactoccoot toototoagg gtocotgtoo	60
	agtga atcccagaag actctggaga gttctgagca gggggggggca ctctggcctc	120
	ggtcc aaggaaggct ggggggcagg acgggaggcg aaacccctgg aatattcccg	180
	gcago ctcatcgago toggtgattg gotcagaagg gaaaaggogg gtctccgtga	240
	tataa aacgccaggg gcaagcggtc cggataacgg ctagcctgag gagctgctgc	300
	tocac tacettitic gagagigaci ecegitgice caaggetice cagagegaac	360
<210> <211> <212> <213>	191 13 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> gtggco	191 ccaga gca	13
<210> <211> <212> <213>	192 14 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ttggcc	192 ccaga gcaa	14
<210> <211> <212> <213>	193 37 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> ggcaga	193 taac aaaagtatca ggaaggtgcc ctcgatc	37
<210> <211> <212> <213>	194 20 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400> 194 taagtccccc ttcaacaacc 20		
<210> <211> <212> <213>	195 23 DNA Artificial Sequence	
<220> <223>	Description of Artificial Sequence: Primer/Probe	
<400>	195	

665045. ST25	
<400> 201 tctctggctg gcgttttgca aacatacctt caata	35
<210> 202 <211> 240 <212> DNA <213> Homo Sapience	
<400> 202 ccaggactta caccagagga togataagtt ccgtttcacc ccacctttgg aggacagctg	60
cttccactat ggcttcaact ccaactacct gaagaaagtc atctcctact ggcggaatga	120
attigacigg aagaagcagg iggagatici caacagatac ccicactica agactaagat	180
tgaaggtatg tttgcaaaac gccagccaga gagggatata tgtcatgaga acagccttct	240
<210> 203 <211> 15 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 203 tattgggtgc cagca	15
<210> 204 <211> 14 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 204 cattgggtgc cagc	14
<210> 205 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 205 togtggtoog gogoatggot toa	23
<210> 206 <211> 16 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 206 caaagggacg aggtgt	16
<210> 207 <211> 16 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Primer/Probe	
<400> 207	
9 - 20 (00)	

gaaagggacg aggtgt	665045. ST25
<210> 208 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Prim	mer/Probe
<400> 208 gccggaccac gacgtcacgc agt	23
<210> 209 <211> 360 <212> DNA <213> Homo Sapience	
<400> 209 gogottacot gocagactgo gogocatggg goaaccoggg aac	eggcagog cottottgot 60
ggcacccaat ggaagccatg cgccggacca cgacgtcacg cag	caaaggg acgaggtgtg 120
ggtggtgggc atgggcatcg tcatgtctct catcgtcctg gcc	atogtgt ttggcaatgt 180
gctggtcatc acagccattg ccaagttcga gcgtctgcag acg	gtcacca actacttcat 240
cacttoactg gootgtgotg atotggtoat gggootagoa gtg	gtgccct ttggggccgc 300
ccatattott atgaaaatgt ggacttttgg caacttotgg tgo	gagtttt ggacttccat 360